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L4	4593	(profile\$2 setting\$2) with user\$2 with group\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/11 11:06
L5	82	L3 and L4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/11 11:06
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S2	113	(inbox e\$mail) with (profile\$2 setting\$2) with user\$2 with group\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/10 09:33
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S6	1	S4 and determin\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/10 11:34
S7	0	S4 and select	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/10 11:35
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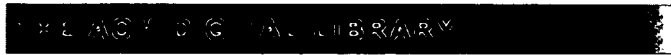
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1 [Social, individual and technological issues for groupware calendar systems](#)



Leysia Palen

 May 1999 **Proceedings of the SIGCHI conference on Human factors in computing systems: the CHI is the limit**

Publisher: ACM Press

Full text available: pdf(1.16 MB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Designing and deploying groupware is difficult. Groupware evaluation and design are often approached from a single perspective, with a technologically-, individually-, or socially-centered focus. A study of Groupware Calendar Systems (GCSs) highlights the need for a synthesis of these multiple perspectives to fully understand the adoption challenges these systems face. First, GCSs often replace existing calendar artifacts, which can impact users calendaring habits and in turn influen ...

Keywords: CSCW, calendars, diaries, ethnography, groupware calendar systems, meeting scheduling, sociotemporality, time

2 [Knowledge Management I: Stimulating knowledge discovery and sharing](#)



A. Agostini, S. Albolino, G. De Michelis, F. De Paoli, R. Dondi

 November 2003 **Proceedings of the 2003 international ACM SIGGROUP conference on Supporting group work**

Publisher: ACM Press

Full text available: pdf(505.94 KB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Most of the available knowledge management systems pay little attention to two important aspects: the need of supporting emerging communities of interest together with the official organizational structure; and the need of cluing together knowledge associated with any kind of involved entity including people, communities, and informal knowledge. The MILK system enhances knowledge discovery and sharing by providing services addressing these aspects and supplying innovative interfaces and interact ...

Keywords: communities, knowledge management, personalized and adaptive systems, profiling

3 [Research papers: adaptive, automatic, autonomic systems: AGILE: adaptive indexing](#)

for context-aware information filters

Jens-Peter Dittrich, Peter M. Fischer, Donald Kossmann

June 2005 **Proceedings of the 2005 ACM SIGMOD international conference on Management of data****Publisher:** ACM PressFull text available: pdf(630.32 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

Information filtering has become a key technology for modern information systems. The goal of an information filter is to route messages to the right recipients (possibly none) according to declarative rules called profiles. In order to deal with high volumes of messages, several index structures have been proposed in the past. The challenge addressed in this paper is to carry out *stateful* information filtering in which profiles refer to values in a database or to previous messages. The d ...

**4** Technical Session: Supporting ubiquitous computing through directory enabled technologies

Michael Richichi, Paul Coen

October 2001 **Proceedings of the 29th annual ACM SIGUCCS conference on User services****Publisher:** ACM PressFull text available: pdf(285.27 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Drew has been providing computers to students since 1984. Many universities have ubiquitous computing programs where students receive a laptop computer as part of their educational package. These programs reduce the dependence on and management issues of traditional computer labs, and allow 24x7 computing access to every student at the University. Drew also provides Novell Directory Services (NDS) accounts to all of these students, and utilizes Novell ZENworks to customize software, personalize ...

Keywords: LDAP, ZENworks, directory services, eDirectory, laptop programs, management, ubiquitous computing

**5** Mobile applications: Bluetooth and WAP push based location-aware mobile advertising system

Lauri Aalto, Nicklas Göthlin, Jani Korhonen, Timo Ojala

June 2004 **Proceedings of the 2nd international conference on Mobile systems, applications, and services MobiSys '04****Publisher:** ACM PressFull text available: pdf(469.83 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Advertising on mobile devices has large potential due to the very personal and intimate nature of the devices and high targeting possibilities. We introduce a novel B-MAD system for delivering permission-based location-aware mobile advertisements to mobile phones using Bluetooth positioning and Wireless Application Protocol (WAP) Push. We present a thorough quantitative evaluation of the system in a laboratory environment and qualitative user evaluation in form of a field trial in the real enviro ...

Keywords: Bluetooth positioning, context-aware, location-aware, location-based services, mobile advertising, wireless advertising

**6** Supporting activities: Roles and relationships for unified activity management

Beverly L. Harrison, Alex Cozzi, Thomas P. Moran

November 2005 **Proceedings of the 2005 international ACM SIGGROUP conference on Supporting group work GROUP '05**


Publisher: ACM Press

Full text available:  pdf(216.62 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper reports on three ethnographic studies of how people coordinate their activities in various work settings. The findings reported here are a derived set of relationships reflecting the nature of involvement of people in their activities. These findings were then tested by six analysts, who were conducting field studies of patterns of complex business activities. They used the derived relationships in the analysis of their data and in the representation of activity patterns. These usage ...

Keywords: activity management, design, ethnographic study, prototyping, task management, to-do lists, user evaluation

7 Dimensions of context: ContextContacts: re-designing SmartPhone's contact book to support mobile awareness and collaboration 

 Antti Oulasvirta, Mika Raento, Sauli Tiitta

September 2005 **Proceedings of the 7th international conference on Human computer interaction with mobile devices & services MobileHCI '05**

Publisher: ACM Press

Full text available:  pdf(382.53 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Acontextuality of the mobile phone often leads to a caller's uncertainty over a callee's current state, which in turn often hampers mobile collaboration. We are interested in re-designing a Smartphone's contact book to provide cues of the current situations of others. ContextContacts presents several meaningful, automatically communicated situation cues of trusted others. Its interaction design follows social psychological findings on how people make social attributions based on impoveris ...

Keywords: awareness, computer-mediated communication, context, group and organization interfaces, mobility, privacy, self-disclosure, situation cues, smartphone

8 Collaboration and group work: Sharing encountered information: digital libraries get a social life 

 Catherine C. Marshall, Sara Bly

June 2004 **Proceedings of the 4th ACM/IEEE-CS joint conference on Digital libraries**

Publisher: ACM Press

Full text available:  pdf(307.04 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

As part of a more extensive study of reading-related practices, we have explored how people share information they encounter in their everyday reading as a complement to the more traditional digital library focus on sharing intentionally retrieved materials. In twenty contextual interviews in home and work place settings, we investigated how people encounter and save published material in the form of paper and electronic clippings. We found that sharing forms a significant use for encountered ma ...


Keywords: browsing, clipping, collaboration, electronic periodicals, encountered information, field study, interaction, reading

9 Interactive systems in public places: Sharing multimedia content with interactive public displays: a case study 

 Elizabeth F. Churchill, Les Nelson, Laurent Denoue, Jonathan Helfman, Paul Murphy

August 2004 **Proceedings of the 2004 conference on Designing interactive systems: processes, practices, methods, and techniques**

Publisher: ACM Press

Full text available:  [pdf\(478.03 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Plasma Posters are large screen, digital, interactive poster-boards situated in public spaces, designed to facilitate informal content sharing within teams, groups, organizations and communities. While interest in interactive community poster boards has grown recently, few successful examples have been reported. In this paper we describe an ongoing installation of Plasma Posters within our organization, and report qualitative and quantitative data from 20 months of use showing the Posters have been ...

Keywords: adoption, community, evaluation, information encountering, interactive public displays, social capital



10 Attentive user interfaces: Models of attention in computing and communication: from principles to applications



Eric Horvitz, Carl Kadie, Tim Paek, David Hovel

March 2003 **Communications of the ACM**, Volume 46 Issue 3

Publisher: ACM Press

Full text available:  [pdf\(5.93 MB\)](#)  [html\(39.30 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Creating computing and communication systems that sense and reason about human attention by fusing together information from multiple streams.


11 Human interaction: Stuff I've seen: a system for personal information retrieval and re-use



Susan Dumais, Edward Cutrell, JJ Cadiz, Gavin Jancke, Raman Sarin, Daniel C. Robbins

July 2003 **Proceedings of the 26th annual international ACM SIGIR conference on Research and development in information retrieval**

Publisher: ACM Press

Full text available:  [pdf\(372.80 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Most information retrieval technologies are designed to facilitate information discovery. However, much knowledge work involves finding and re-using previously seen information. We describe the design and evaluation of a system, called *Stuff I've Seen* (SIS), that facilitates information re-use. This is accomplished in two ways. First, the system provides a unified index of information that a person has seen, whether it was seen as email, web page, document, appointment, etc. Second, because ...

Keywords: interactive information retrieval, personal information management, user interfaces, user studies

12 Extending the discipline: Clinical requirements engineering



Stephen Fickas

May 2005 **Proceedings of the 27th international conference on Software engineering**

Publisher: ACM Press

Full text available:  [pdf\(743.72 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In this paper, I make a case for integration of requirements engineering (RE) with clinical disciplines. To back my case, I look at two examples that employ a clinical RE approach, first, that of introducing email into the life of a brain-injured individual, and second, introducing digital darkroom tools into my life. The former uses a Brownfield approach by starting with an existing clinical process, cognitive rehabilitation, and then defining an RE process that fits. The latter uses a Greenfield ...

Keywords: clinical requirements engineering, deferred requirements/goals, goal attainment scale, requirements monitoring, skill assessment

13 Social navigation as a model for usable security



Paul DiGioia, Paul Dourish

July 2005 **Proceedings of the 2005 symposium on Usable privacy and security SOUPS '05**

Publisher: ACM Press

Full text available: pdf(315.89 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

As interest in usable security spreads, the use of visual approaches in which the functioning of a distributed system is made visually available to end users is an approach that a number of researchers have examined. In this paper, we discuss the use of the social navigation paradigm as a way of organizing visual displays of system action. Drawing on a previous study of security in the Kazaa peer to peer system, we present some examples of the ways in which social navigation can be incorporated ...

Keywords: collaborative interfaces, peer-to-peer filesharing, social navigation, visualization

14 Posters: Migratory MultiModal interfaces in MultiDevice environments



Silvia Berti, Fabio Paternò

October 2005 **Proceedings of the 7th international conference on Multimodal interfaces ICMi '05**

Publisher: ACM Press

Full text available: pdf(799.65 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper describes an environment able to support migratory multimodal interfaces in multidevice environments. We introduce the software architecture and the device-independent languages used by our tool, which provides services enabling users to freely move about, change device and continue the current task from the point where they left off in the previous device. Our environment currently supports interaction with applications through graphical and vocal modalities, either separately or tog ...

Keywords: MultiModal user interfaces, migratory interfaces, model-based design, multi-device environments, ubiquitous systems

15 Paranoid penguin: GPG: the best free crypto you aren't using, part I of II



Michael D. Bauer

September 2001 **Linux Journal**, Volume 2001 Issue 89

Publisher: Specialized Systems Consultants, Inc.

Full text available: html(19.16 KB) Additional Information: [full citation](#), [index terms](#)

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